

EXPRESSION OF INTEREST
National Fisheries Development Board
Ministry of Agriculture, Govt. of India

Invites proposals for prequalification of reputed and experienced organizations / experts in cage culture in fresh water bodies/ open seas, design and construction of wholesale and retail fish markets and construction of fishing harbors projects in India. Details may be downloaded from the NFDB's website <http://nfdb.ap.nic.in>, www.nfdb.org.in Last date for receipt of EOI
26.02.2010

Chief Executive

NATIONAL FISHERIES DEVELOPMENT BOARD
Ministry of Agriculture
Department of Animal Husbandry, Dairying & Fisheries
Blocks 401-402, Maitri vihar, Ameerpet, Hyderabad -500 038

Expression of Interest (EoI) for setting up pilot projects on marine cage fish farming along the East as well as West coast of India on turnkey basis.

The National Fisheries Development Board (NFDB) is an autonomous organization under the administrative control of the Department of Animal Husbandry, Dairying and Fisheries, Ministry of Agriculture, Govt. of India, set up in Hyderabad. The vision of the Board is to promote over all development of fisheries sector, enhance productivity and production, and create a globally competitive fisheries sector in India. The Board would seek to realize the full potentials of Indian fisheries through coordination of different agencies and public –private partnerships.

A. Need for Marine Cage Fish Culture

The marine fishing industry is said to facing a major crisis with fish stocks depleting all over the world and cage culture is seen as an opportunity to meet the demand arising out of depleting stocks all over the world. The commercial mariculture potential of Indian coastal waters remains largely untapped. Thus there is a growing need for tapping the mariculture potential (small scale as well as commercial) of the country involving marine cage fish farming in sheltered bays, backwaters, creeks, lagoons and open sea areas along its coasts of the main land as well the island groups. A comprehensive assessment of the sectoral potential and drawing up of strategy for harnessing the same on a sustainable manner is the need of the hour.

B. Objective of the Assignment:

To prepare a strategic action plan relevant to development of the mariculture sector in India for furthering the objectives as mandated in the NFDB, and to set a pilot projects on commercial cage fish farming duly creating appropriate linkages with small scale mariculture activities involving small and medium enterprises / fishers to infuse advanced technology. The assignment also included developing such inputs necessary for developing the sector in a sustainable manner without any adverse impact on the marine environment and its biodiversity.

Pre-Qualification

With a view to ensure that the competent agencies only respond to this important project, it has been decided to invite proposals from the eligible organization/ institution/experts.

C. Deliverables

The deliverables of the assignment include, but are not limited, to the following:

1. Assessment of the Indian coast (including the Andaman & Nicobar Gr. Of island as well as Lakshadweep Gr. Of islands) from the point of view of its suitability for small scale as well as commercial mariculture for cage farming in sheltered bays, backwaters, creeks, lagoons and open sea areas.
2. Survey and identification of suitable sites for commercial marine cage fish culture along the Indian Coast and tentative assessment of the carrying capacity of these sites on the lines Norwegian System of Planning (LENKA).
3. Formulating a draft policy for leasing of the sea beds and sea areas for small scale as well as commercial mariculture involving cage fish farming by the coastal states of India, taking into account multiple use of the common resource.
4. Preparation of a blue print for development of the sector
5. Preparation of DPR, for setting up integrated pilot commercial cage culture projects at the representative sites on both the coasts, including provisions for demonstration of technology & training of personnel.
6. Planning, designing, fabrication, supply, installation, operation and maintenance of the cage fish farms of a economically and technically viable size. (including cages, moorings,

cranes & winches, feeding system, boats, electrical, processing and cold storage facilities etc.) at the selected locations at least for a period of 3 years /or until the cage farming is leased out to an appropriate agency for future maintenance.

7. Selection of at least 3 commercially important fish species in consultation with NFDB or agencies nominated by NFDB for commercial mariculture without posing threat to local fish species. Commercial aquaculture of all the life stages of these species for at least 3 production cycles and demonstration of technical and financial viability of operations.
8. Complete transfer of technology in respect of planning, fabrication, setting up, operation and maintenance of cage farming systems as well as biology, husbandry practices of all the life stages (breeding, hatchery, nursery & grow-out) of the selected fish species including feed&feedings, nutrition, disease control etc. for cage farming.
9. Conduct training of the states fishery officials, extension workers/ entrepreneurs/ farmers/ fishers etc. during the pilot project period on all components and aspects of cage culture.
10. Establishing a suitable marketing mechanism for the fish produced from cage culture including the suitable processing arrangements and infrastructure.
11. Open sea culture technology commercialization activities include the following activities: transfer of patented, copyrighted or other non-patented technology to public for which the inventors do not have the right to receive license fees and /or royalties.

D. Indicative Timelines for the Assignment

The entire assignment is expected to be completed within a period of **40** months from the date of commencement. The phases of implementation to be worked out in consultation with the technology transfer agency

E. Eligibility Criteria-related Information

Reputed professional organizations/ agencies/consultants with a strong history in setting up Open Sea cage farming projects and other related activities on commercial lines at international level.

F. Other Instructions to Consulting Agencies

- a. The Board reserves the right to shortlist the agencies, based on the requirement of the Board and consider them for the next stage of evaluation.
- b. Interested organizations/ agencies/individuals are requested to submit their EoI as per the prescribed format given in. Documentary proof must be submitted for all claims made by them. The EoI, in the prescribed format on company letter-head, must be submitted to the NFDB in a sealed cover super-scribed 'EoI Document for Open Sea Cage Culture at the address as mentioned below: The technical bids and financial bids shall be kept in two separate sealed covers and then the two covers will be kept in a bigger cover duly sealed.

The Chief Executive
National Fisheries Development Board,
Blocks 401-402, Maithri Vihar,
HMDA commercial complex,
Amcerpet, Hyderabad, 500 038, India.

The document shall be signed by the authorized officer of the organization only.

The last date/time for submission of EoI response is 4.00 PM on 26th February 2010. EoI responses received after this due date and time shall NOT be entertained under any circumstances. In case of the designated last day being declared a public holiday, the same will be extended to the next working day.

The Board reserves the right to accept/reject any or all offers submitted in response to this advertisement without assigning any reasons whatsoever.

The EoI responses will be opened at 1100 hrs. on 15th March 2010 at the above address.

G. Format for submission of EoI

The EoI should be submitted in as per the following format:

Part I: Organization Information

- Name
- Type:(Partnership Firm/Company – Public, Private, Govt. Owned/ Trust/ Others – please specify)
- Date of Incorporation and Year of commencing operations
- Corporate Office Address
- Local Office Address (in India)
- Website

Principal Contact [Name, Address, Tel. No. fax, e-mail etc.

Part II: Operational Details

(a) Experience of the firm:

- (i) No. of years experience in Open Sea Cage Culture
- (ii) No. of assignments undertaken from 1999-2000 onwards -
 - (a) Only Report preparation
 - (b) Implementation (viz., knowledge partnership with the client) – Please indicate period of implementation.
- (iii) Of (ii) above, No. of assignments having a direct relation to the above project:
- (iv) Details of assignments (with reference to (iii) above) undertaken in the last 5 years, beginning 2004-05 (in the following format):
 - Client Name
 - Address of the Client
 - Client Reference (Name, Designation, Contact Tel. No.)
 - Project Title
 - Project Scope (in brief)
 - Project Duration (months)
 - Manpower deployed (man-months)
 - Project Location(s)
 - Status of the Project (completed/on-going)
- (v) No. of assignments handled in the last 5 years, beginning 2004-05, the learnings of which could be applied to the present assignment. [Please give details in the format indicated at (iv) above].
- (vi) Also indicate experience relevant to a (ii) and a (iii)
- (vii) Total cost of the project
- (viii) Total production particulars
- (ix) Amount realized from the project

Criteria for Evaluation of Technical Aspects of the EoI

Cage design

1. Experience of the firm in designing, fabrication and operation of the open sea cages
2. Durability of the cages with regard to water current, tidal amplitude, wind current and sturdiness to withstand cyclone, hurricane and other natural calamities
3. Expertise to design and fabricate low cost cages for small scale entrepreneurs and capital intensive designs on commercial ventures

Open sea cage Culture

1. Availability of technologies for cage farming of marine finfishes.
2. Expertise in creating On shore facilities for fish seed and feed production
3. Previous assignments in establishing economically viable operations.
4. Expertise in harvesting in offshore conditions and post harvest operation.
5. Low cost production with environment friendly technologies

**Signature of the Competent Authority &
Designation**

15.01.10